

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP01/03188

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl.<sup>7</sup> B22C15/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl.<sup>7</sup> B22C5/00-25/00Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2001  
Kokai Jitsuyo Shinan Koho 1971-2001 Jitsuyo Shinan Toroku Koho 1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP, 9-225588, A (Sinto Kogyo Ltd.), 02 September, 1997 (02.09.97), (Family: none)	1-27
A	JP, 7-232234, A (Sinto Kogyo Ltd.), 05 September, 1995 (05.09.95), (Family: none)	1-27

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier document but published on or after the international filing date  
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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "Z" document member of the same patent family

Date of the actual completion of the international search  
06 July, 2001 (06.07.01)Date of mailing of the international search report  
17 July, 2001 (17.07.01)Name and mailing address of the ISA  
Japanese Patent Office

Authorized officer

Facsimile No.

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